

Low Frequency Split Phase Inverter Charger

PV3300 TLV Series (1KW-6KW)



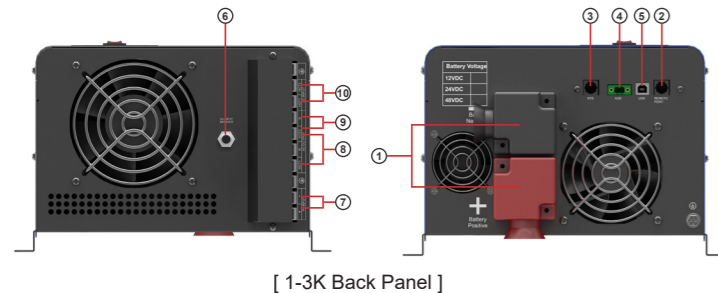
Features

- Pure sine wave output
- Friendly user interface;MFD (multi-function display)
- 3 Steps charging
- Overload and short-circuit protection
- Set charging voltage/charging current.
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 100/110/120;frequency can be set to 50/60Hz
- Set utility charging on/off switch
- Built-in 80A MPPT charger

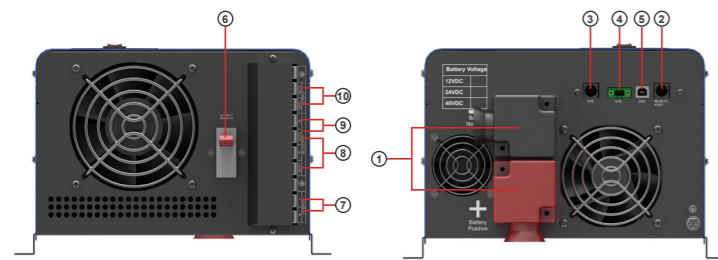
Introduction

This split phase inverter PV3300 TLV series, capacity from 1KW-6KW, DC 12V/24V/48V, it's applicable to 110VAC/120VAC markets demands, which matches AC 110VAC/120V single phase, or two phase 110VAC/120V 220V/240V; In LCD display, you can set output voltage, frequency, charging voltage, charging current to design best use based on different loads applications; meanwhile, it has already built-in solar charge controller, you can take use of sunshine freely and save electricity bills.

Back panel printing description



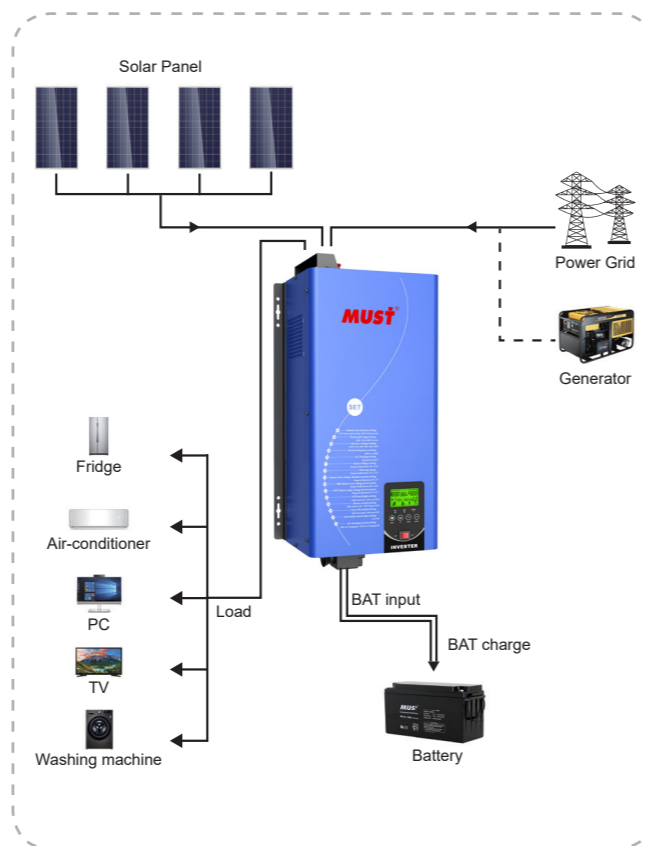
[1-3K Back Panel]



[4-6K Back Panel]

1. Battery +/-
2. REMOTE PORT
3. BTS
4. AGS
5. USB
6. AC INPUT PROTECT: Input protect breaker
7. PV +/-
8. AC OUTPUT: HOT1 - HOT2 200VAC/220 VAC/240VAC
9. AC OUTPUT: HOT2 - N 100VAC/110 VAC/120VAC
- 10.AC INPUT: HOT1 - HOT2 200VAC/220 VAC/240VAC

Solar system connection



Specification

MODEL	PV33-1012 TLV	PV33-1024 TLV	PV33-1512 TLV	PV33-1524 TLV	PV33-2012 TLV	PV33-2024 TLV	PV33-3024 TLV	PV33-3048 TLV	PV33-4024 TLV	PV33-4048 TLV	PV33-5048 TLV	PV33-6048 TLV
Inverter Output	Rated power	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW				
	Power factor	1										
	Wave form	Pure sine wave										
	Output voltage RMS	100V \ 110V \ 120VAC(200V \ 220V \ 240VAC)±10%										
	Output frequency	50Hz or 60Hz (±0.3Hz)										
	Inverter efficiency (peak)	>85%										
	Overload	100%<Load<110% (alarm 5min then stop output) \ 110%<Load<125% (alarm 60s then stop output) \ Load > 125% (alarm 10s then stop output)										
	Surge rating	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	15000VA				
	Capable of starting electric motor	1P	1P	1.5P	1.5P	2P	3P					
	Battery voltage	12VDC/24VDC						24VDC/48VDC			48VDC	
Minimum start voltage	11VDC/22VDC/44VDC											
Low battery voltage cut off	(Low voltage fault code04)10\10.5\11V for 12V mode ; 20\21\22V for 24V model ; 40\42\44V for 48v model											
Low battery voltage alarm	Add 0.5V \ battery:(Low battery alarm one second one time) (10 \ 10.5 \ 11V)+0.5VDC for 12V mode (20 \ 21 \ 22V) +1Vdc for 24v model (40 \ 42 \ 44V) +2Vdc for 48v model											
High battery voltage alarm	Add +1V\battery: (high voltage one second one time\after 30s fault 03) (13.8-14.5V) + 1V for 12V model (27.6-29V) + 2V for 24v model (55.2-58) + 4V for 48v model											
Save mode	Loads ≤ 40W (110V) \ 80W (220V)											
AC Input Mode	Input waveform	Pure sine wave										
	Nominal input voltage	200Vac \ 220Vac \ 240Vac										
	Max input voltage	270Vac MAX										
	Input frequency	50Hz \ 60Hz (auto sensing)										
	Efficiency (AC mode)	>95% (load, full battery)										
	Transfer time AC to DC	15ms(typical)										
Charge Mode	12V	30A	45A	60A	\	\	\	\				
	24V	20A	25A	30A	40A	60A	\	\				
	48V	\	\	\	20A	30A	35A	40A				
Min charge current 10A. Change by every 5A												
Dimensions	Dimensions (W*H*D)	277*196*466mm						277*186*621mm				
	Ship Dimensions (W*H*D)	376*306*592mm						376*296*747mm				
	Warranty	One year (standard), 2 years optional (IP20)										